

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 03080934
PUBLICATION DATE : 05-04-91

RECEIVED

APPLICATION DATE : 25-08-89
APPLICATION NUMBER : 01219099

JUL 08 2005

IPO

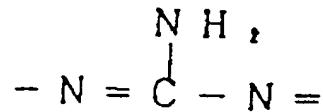
GENERAL ELECTRIC CO.

APPLICANT : TAKEDA CHEM IND LTD;

INVENTOR : TSUTSUMI YOSHIO;

INT.CL. : B01J 20/22 B01D 53/02 B01D 53/34

TITLE : ADSORBENT OF LOWER ALDEHYDES



I

ABSTRACT : PURPOSE: To efficiently remove lower aldehydes for a long time by supporting a guanidine compound having a partial structure represented by a specific general formula in its molecule by a porous carrier to form an adsorbent of lower aldehydes.

CONSTITUTION: An adsorbent of lower aldehydes is formed by supporting a compound having a partial structure represented by formula I in its molecule on a porous carrier. As a suitable embodiment of the compound having the partial structure represented by the aforementioned formula I, there are guanidine carbonate, diguanylbiuret or melamine. This compound is supported on the porous carrier in the case of a water-soluble one by preliminarily dissolving said compound in water and immersing the porous carrier in the prepared aqueous solution. As an embodiment of the aforementioned porous carrier, there are activated carbon, active clay, a silica gel, activated alumina or clay mineral.

COPYRIGHT: (C)1991,JPO&Japio